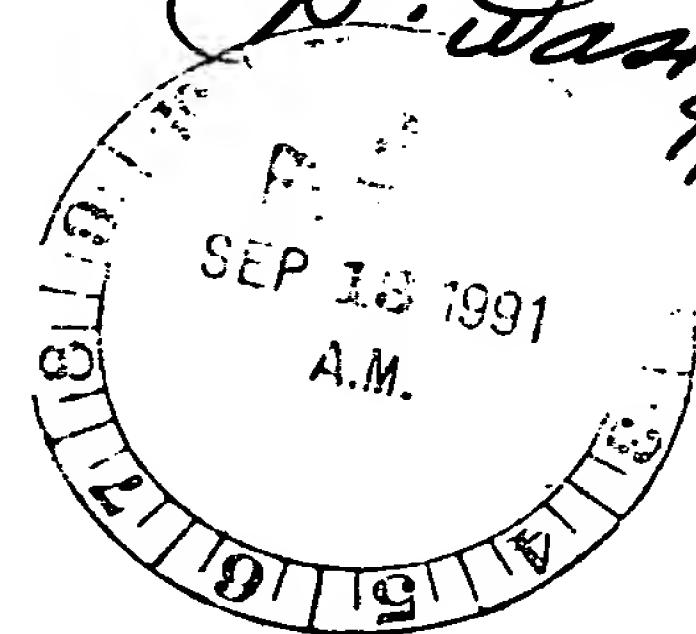




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Q. 187

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IN THE UNITED STATES PATENT & TRADEMARK OFFICE

APPLICANT: C. T. Caskey, et al § Docket No.: D-5050
SERIAL NO.: 256,689 §
FILED: October 12, 1988 §
INVENTION: Multiplex § Group Art Unit 187
Genomic DNA §
Amplification § Examiner:
for Deletion § A. Marschel
Detection §

HONORABLE COMMISSIONER OF PATENTS & TRADEMARKS
Washington, D. C. 20231

RESPONSE AND AMENDMENT UNDER 37 C.F.R. §§ 1.111 AND 1.116

Dear Sir:

The Applicants want to thank the examiner for the courtesies extended Dr. Gibbs and the undersigned during the interview of August 15, 1991.

AMENDMENT

Responsive to the interview of August 15, 1991, and the Official Action of July 16, 1991 kindly enter the following amendments:

In the Claims:

1 (twice amended). A method for simultaneously detecting known deletions from at least three DNA sequences, comprising the steps of:

treating said DNA to form single-stranded complementary strands;

adding at least three paired oligonucleotide primers, each pair specific for a different sequence, one primer of each pair substantially complementary to a part of the sequence in the sense-strand and the other primer of each pair substantially complementary to a different part of the